



PROJECT NUMBER:

338884.FL

BORING NUMBER:

MW5S

SHEET 1 OF 2

SOIL BORING LOG

PROJECT : Progress Energy Florida - COLA Investigation, Levy County Site LOCATION : (1724805.8 N, 456749.4 E)

ELEVATION : 42.8 ft MSL (NGVD83)

DRILLING CONTRACTOR : Prosonic, Ocala, FL; Driller: F. Kraus

DRILLING EQUIPMENT AND METHOD : Rotosonic S/N SR109, sonic, 4"x6"

ORIENTATION : Vertical

WATER LEVELS : ---

START : 2/6/07 08:32

END : 2/6/07 09:32

LOGGER : A. Teal

DEPTH BELOW EXISTING GRADE (ft)		INTERVAL (ft)		STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION		SYMBOLIC LOG		COMMENTS	
		RECOVERY (in)		6"-6"-6" (N)		SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY				DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION	
		#TYPE									
42.8	0.0						Poorly Graded Sand With Silt And Organics (SP-SM) 0.0-1.3' - olive black, (5 YR 2/1), wet, very fine to fine grained, estimated 30-40% fine organics, estimated 5-10% fines, silica sand				
		60.0	R1-SN				Poorly Graded Sand With Silt (SP-SM) 1.3-4.5' - moderate yellowish brown, (10 YR 5/4), trace dusky brown to moderate olive brown mottling, wet, estimated 10% fines, trace gravel up to 1" (hematite nodules), silica sand				
5	5.0						Silty Sand (SM) 4.5-5.0' - pale olive, (10 YR 6/2), est. 10-20% moderate olive brown mottling, wet, est. 15-25% fines, silica sand				
37.8							Silty Sand And Limestone (SM) 5.0-15.0' - grayish orange, (10 YR 7/4), mild HCl reaction, medium strong (R3), no apparent bedding, fossiliferous, 70-80% covering of tiny voids, possible fossil casts, (SM) at 5.0-5.5', 5.9-8.5', 10.0-11.0', and 13.5-15.0'; very fine to coarse sand-sized, fine gravel-sized, est. 30% fines, strong HCl reaction, carbonate materials				5-15' - intermittent sections of very fine to coarse gravel sized limestone fragments and segments of limestone caprock from 1-4" thick
10		120.0	R2-SN								
32.8											
15	15.0										
27.8							Limestone And Silty Sand (SM) 15.0-25.0' - Same as 5.0-15.0' except 1" to 4" thick limestone sections more prevalent, soft to hard, surrounded by silty sand sized carbonate matrix				15-25' - intermittent sections like 5-15' continue
20											



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SHEET 2 OF 2	
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DEPTH BELOW EXISTING GRADE (ft)		INTERVAL (ft)		STANDARD PENETRATION TEST RESULTS		SOIL DESCRIPTION		SYMBOLIC LOG		COMMENTS	
		RECOVERY (in)		6"-6"-6" (N)		SOIL NAME, USCS GROUP SYMBOL, COLOR, MOISTURE CONTENT, RELATIVE DENSITY OR CONSISTENCY, SOIL STRUCTURE, MINERALOGY				DEPTH OF CASING, DRILLING RATE, DRILLING FLUID LOSS, TESTS, AND INSTRUMENTATION	
		#TYPE									
22.8		120.0	R3-SN								
25	25.0										
17.8											
		60.0	R4-SN								
30	30.0										
12.8											
35											
7.8											
40											

Limestone And Silty Sand (SM)
 25.0-30.0' - Same as 15.0-25.0' except est. 60% limestone fragments up to 3" thick

25-30' - intermittent sections continue

Bottom of Boring at 30.0 ft bgs on 2/6/07 09:32